



2728-103
858-102

GP2601
w/brw
cor-
#7 D

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ronald A. Katz)
Serial No.: 08/476,662,) Examiner in Parent
Filed: June 7, 1995) T. Brown
For: TELEPHONIC-INTERFACE) Art Unit: 2601
STATISTICAL ANALYSIS SYSTEM)
Docket No.: 9002-1B670USE)
(prev. 6646-101NF))

Killog
5-22-96
5-29

A M E N D M E N T

707 Wilshire Blvd., 32nd Floor
Los Angeles, CA 90017
May 6, 1996

Assistant Commissioner
for Patents
Washington, DC 20231

Sir:

In response to the office action dated December 27, 1995,
please amend the above-identified application as follows:

=====

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington, D. C. 20231.

Date: May 6, 1996
Reena Kuyper
Reena Kuyper

562090 29997430

030 DS 05/21/96 08476662 1 1 103 2728.00 CK

08476662
D
58.00 CK

IN THE DRAWINGS:

In Figure 3, please replace "92" with --92A-- as shown in RED in the attached copy.

IN THE SPECIFICATION:

At page 1, line 8, update the status of the ultimate ancestor application to indicate that it is --,now abandoned--.

At page 4, line 21, delete "and", at line 23, and replace the "." with a --;--, and after line 23, insert the following text:

FIGURE 9 is a block diagram illustrating components of the system as spaced apart geographically.

At page 7, line 32, replace "know" with --known--.

At page 17, line 25, after "exit block," replace "92" with --92A--.

At page 25, line 3, before "coupling" insert --and--.

At page 41, after "interface 20" insert the missing mate for the parenthesis --)---.

IN THE CLAIMS:

Please cancel claim 36, without prejudice, and amend claims 29, 32, 35, 39, 40, 41, 43, 45, and 49 as follows:

29. (Amended) A process for controlling operations of an

2 interface with a communication facility, said process including
3 the steps of:

4 providing products carrying participation numbers
5 specifying limits on use to entitle individual callers to
6 access operations of said interface with said communication
7 facility;

8 coupling remote terminals to said interface for
9 providing voice signals to said individual callers as to
10 provide vocal operating instructions to said individual
11 callers;

12 receiving digital identification data from said
13 individual callers responsive to said voice signals
14 including said participation numbers for said individual
15 callers and answer data provided from said remote terminals
16 under control of said individual callers;

17 qualifying said individual callers by testing to
18 determine if said individual callers are entitled to access
19 said operations of the interface based on said limits on use
20 specified by said participation numbers for said individual
21 callers and accordingly providing approval signals for
22 qualified individual callers;

23 accessing a memory with said participation numbers for
24 said individual callers and storing data relating to calls
25 from said individual callers; and

26 processing at least certain of said answer data and
27 said identification data responsive to said approval signals

D2
cancel

to isolate a subset of individual callers.

1 Sub 32. (Amended) A process according to claim 29, wherein
2 SG2 said communication facility automatically provides called
3 terminal digital data (DNIS) to identify a specific format for
4 executing operations of said interface.

D4 1 7.35. (Amended) A process according to claim 34, wherein
2 said calling terminal digital data is tested to control access to
3 said operations of the interface.

1 SG4 39. (Amended) An analysis control system according to
2 claim 38, wherein said calling order sequence is indicative of
3 caller transaction [order] data.

D5 (cont'd) 1 SG2 40. An analysis control system for use with a communication
2 facility including remote terminals for individual callers,
3 wherein each of said remote terminals may comprise a conventional
4 telephone instrument including voice communication means, and
5 digital input means in the form of an array of alphabetic numeric
6 buttons for providing data, said analysis control system
7 comprising:

8 an interface structure coupled to said communication
9 facility to interface each of said remote terminals for
10 voice and digital communication, and including means to
11 provide caller data signals representative of data relating

54



12 to said individual callers developed by said remote
13 terminals and including means to automatically receive
14 calling terminal digital data from said communication
15 facility;

16 voice generator structure coupled through said
17 interface structure for actuating each of said remote
18 terminals as to provide vocal operating instructions to each
19 of said individual callers;

20 record structure, including memory and control means,
21 connected to receive said caller data signals from said
22 interface structure for accessing a file; and

23 designation structure coupled to said interface
24 structure and said record structure for developing
25 individual designations for said individual callers,
26 indicative of caller significance in order to isolate a
27 subset of said individual callers at calling remote
28 terminals.

1 41. (Amended) ~~An analysis system for use with a~~

2 ~~communication facility including remote terminal apparatus for~~
3 ~~individual callers, wherein said remote terminal apparatus may~~
4 ~~comprise a conventional telephone instrument including voice~~
5 ~~communication means, and digital input means in the form of an~~
6 ~~array of alphabetic numeric buttons for providing identification~~
7 ~~and answer data, said analysis system comprising:~~

8 interface means selectively coupled to said

9 communication facility to interface said terminal apparatus
10 for voice and digital communication and including means to
11 provide signals values from data developed by said terminal
12 apparatus;

13 voice generator means selectively coupled through said
14 interface means to said terminal apparatus for providing
15 vocal operating instructions to said individual callers;

16 designation means selectively coupled to said interface
17 means for assigning individual designations to said
18 individual callers; and

19 processing means for providing processing data, and
20 storage means for [registered] registering said processing
21 data, said processing means for isolating a subset of said
22 individual callers based on repeated comparisons of said
23 [registered] processing data [and] registered against said
24 processing data including data associated with said
25 individual callers.

D5
14 43. (Amended) An analysis control system according to
12
1 claim 41, wherein said voice generator means is driven to prompt
2 [said] certain select ones of said individual callers to provide
3 telephone number data for storage.

D7
16 45. (Amended) An analysis control system according to
12
2 claim 41, further comprising:
transfer means for transferring certain of calls from

$\frac{D_1}{concl}$
 $\frac{4}{5}$

D8¹

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

8
9
10
11

12
13
14
15
16
17
18

56

19 record means, including memory and control means,
20 connected to said interface structure for accessing a file
21 and storing data relating to said individual callers;
22 designation means coupled to said interface structure
23 and said record means for assigning individual designations
24 to said individual callers and storing said designations in
25 said record means as part of said data relating to said
26 individual callers, said designation means including means
27 for storing representations of a customer number and other
28 data provided by a caller; and
29 encoding means coupled to said record means and said
30 designation means for encoding at least certain of said data
31 relating to said individual callers. ✓

1 ~~451~~. An analysis control system according to claim 50,
2 wherein said other data provided by said caller includes caller
3 PIN number data. ✓

1 ~~452~~²³. An analysis control system according to claim ~~51~~²²,
2 wherein said other data further includes caller credit card
3 data. ✓

1 ~~453~~²⁴. An analysis control system according to claim ~~52~~²³,
2 wherein said other data further includes credit card expiration
3 data. ✓

1 ²⁵
~~54~~. An analysis control system according to claim ²³~~52~~,
2 wherein said caller credit card data is verified to approve said
3 caller. ✓

Sub
FY
1 ✓ 55. An analysis control system according to claim 50,
2 wherein said customer number data is tested to determine if said
3 data indicates negative or cancelled status. ✓

1 ✓ 56. An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means, and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data, said analysis
7 control system comprising:
8

9 interface structure coupled to said communication
10 facility to interface said remote terminals for voice and
11 digital communication, and including means to provide caller
12 data signals representative of data relating to said
13 individual callers developed by said remote terminals and
14 including means to automatically receive called number
15 identification signals (DNIS) to identify a select one of a
16 plurality of different called numbers;

16 record structure, including memory and control means,
17 connected to receive said caller data signals from said
18 interface structure for accessing a file and storing certain

19 of said data developed by said remote terminals relating to
20 certain select ones of said individual callers; and
21 qualification structure coupled to said record
22 structure for qualifying said individual callers based on at
23 least two forms of distinct identification including caller
24 customer number data and at least one other distinct
25 identification data element consisting of personal
26 identification data provided by a respective one of said
27 individual callers. ~

1 ²⁸
2 ~~57~~. An analysis control system according to claim ²⁷~~56~~,
3 wherein said caller data signals include signals indicative of
4 caller credit card number data provided by said individual
callers. ~

1 ~~58~~. An analysis control system according to claim 57,
2 wherein said caller data signals further include signals
3 indicative of credit card expiration data. ~

1 ~~59~~. An analysis control system according to claim 57,
2 wherein said credit card number data is verified on-line. ~

1 ³¹
2 ~~60~~. An analysis control system according to claim ²⁷~~56~~,
3 wherein said caller customer number data is tested to determine
if caller status is unacceptable or cancelled. ~

59

1 ³²
2 ~~61~~. An analysis control system according to claim ²⁷~~56~~,
3 wherein said qualification structure qualifies said individual
callers to provide access to at least a portion of said system. ~~44~~

1 Sub F6 ~~62~~. An analysis control system according to claim 61,
2 wherein said personal identification data is PIN number data. ~~45~~

1 Sub G11 ~~63~~. An analysis control system according to claim ~~56~~,
2 wherein at least one distinct identification is provided by said
3 individual callers on-line and at least one of said two forms is
4 stored in said record structure for subsequent use. ~~46~~

1 Sub F7 ~~64~~. An analysis control system according to claim ~~56~~,
2 wherein said access to at least a portion of said system is
3 provided based upon a computer generated number identifying a
4 previous transaction, said computer generated number indicative
5 of caller transaction order data. ~~47~~

1 ~~65~~. An analysis control system according to claim 56,
2 wherein said caller customer number is calling number
3 identification data automatically provided by said communication
4 facility. ~~48~~

1 ³⁷
2 ~~66~~. An analysis control system according to claim ²⁷~~56~~,
3 wherein said qualification structure is further controlled by
said record structure for testing at least certain of said caller

4 data signals provided by said respective one of said individual
5 callers to specify a consumable participation key for said
6 respective one of said individual callers. ✓

Sub
F8
1 ~~67.~~ An analysis control system according to claim 66,
2 wherein said consumable participation key is comprised of at
3 least said two forms of distinct identification. ✓

1 ~~68.~~ An analysis control system according to claim 67,
2 wherein at least one of said at least two forms of distinct
3 identification includes social security data. ✓

Dep
Cont'd
Sub
G12
1 ~~69.~~ An analysis control system according to claim 67,
2 wherein at least one of said at least two forms of distinct
3 identification includes caller PIN number data. ✓

1 ~~70.~~ An analysis control system according to claim 67,
2 wherein at least said one other of said distinct identification
3 data comprises initials data. ✓

42
1 ~~71.~~ An analysis control system according to claim ~~56,~~ ²⁷
2 wherein said called number identification signals (DNIS) are
3 received by one of a plurality of call distributors. ✓

43
1 ~~72.~~ An analysis control system according to claim ~~71,~~ ⁴²
2 wherein said plurality of call distributors are at different

3 geographic locations. *lv*

1 ~~*lv 73*~~ An analysis control system according to claim 71,
2 wherein said plurality of call distributors are accessed under
3 control of call allocation routing capability. *lv*

1 ~~*lv 74*~~. A system according to claim 56, wherein said select
2 one of said different called numbers identifies a select format
3 from a plurality of formats. *lv*

1 ~~*lv 75*~~. A system according to claim 74, wherein said select
2 format is one form of a television initiated mail order format. *lv*

1 ~~*lv 76*~~. A system according to claim 74, wherein said select
2 format is one form of a merchandising operation. *lv*

1 ~~*lv 77*~~. A system according to claim 76, wherein said one form
2 of said merchandising operation further receives and stores at
3 least a portion of calling number identification signals
4 automatically provided by said communication facility. *lv*

1 ~~*lv 78*~~. An analysis control system according to claim 74,
2 wherein an additional form of distinct identification is provided
3 by said individual callers on-line and is stored for subsequent
4 use. *lv*

1 ~~479.~~ An analysis control system according to claim 74,
2 wherein at least one of either said caller customer number data
3 or said personal identification data element is provided on-line
4 for said callers and for storing said caller customer number data
5 or said personal identification data in said record structure for
6 subsequent use. ~~47~~

1 ~~480.~~ An analysis control system according to claim 56,
2 wherein said certain of said callers at said remote terminals are
3 switched to any one of a plurality of live operators. ~~48~~

1 ~~481.~~ An analysis control system according to claim 80,
2 wherein said live operators can enter at least a portion of said
3 caller data relating to said certain select ones of said
4 individual callers through interface terminals. ~~49~~

1 ~~482.~~ A system according to claim 56, wherein said
2 qualification structure further executes a test for unacceptable
3 numbers based upon data developed by said remote terminals. ~~50~~

1 ~~483.~~ ⁵¹ An analysis control system according to claim ~~56,~~ ²⁷
2 further comprising:

3 means for providing computer generated number data
4 indicative of sequence data to said individual callers. ~~51~~

1 ~~484.~~ ⁵² An analysis control system according to claim ~~83,~~ ⁵¹

2 wherein said sequence data indicates caller transaction order
3 data. *h*

1 ⁵³~~53~~ 485. An analysis control system according to claim ⁵¹~~83~~,
2 wherein said personal identification data comprises caller social
3 security number data. *h*

1 ⁵⁴~~486~~. An analysis control system according to claim ⁵¹~~83~~,
2 wherein said personal identification data comprises a PIN
3 number. *A*

1 ⁵⁵~~487~~. An analysis control system according to claim ⁵¹~~83~~,
2 wherein said personal identification data comprises caller
3 telephone number data. *h*

1 ~~488~~. An analysis control system according to claim 56,
2 wherein at least one of said plurality of called numbers
3 identifies a distinct operating process merchandising format for
4 processing with customer's interactive order. *h*

1 ~~489~~. An analysis control system according to claim 88,
2 wherein said qualification structure tests said individual
3 callers credit. *h*

1 ~~490~~. An analysis control system according to claim 89,
2 wherein said qualification structure testing for credit tests

3 ~~said caller customer number for unacceptable credit status.~~ ⁴⁶

1 ~~91. An analysis control system according to claim 90,~~
2 ~~wherein said qualification structure testing for credit tests by~~
3 ~~scoring the instant transaction for credit approval.~~ ²

1 ⁶⁰~~92. An analysis control system according to claim~~ ⁵⁶~~88,~~
2 whereby said individual callers enter data indicative of the item
3 for order. ²

1 ⁶¹~~93. An analysis control system according to claim~~ ⁶⁰~~92,~~
2 further comprising:

3 means for providing computer generated number data
4 indicative of sequence data to said individual callers
5 wherein said sequence data indicates caller transaction
6 order data. ^{us}

1 ⁶²~~94. An analysis control system according to claim~~ ⁶¹~~93,~~
2 wherein said personal identification data comprises social
3 security number data. ⁴⁹

1 ^{Sub}~~95. An analysis control system according to claim 94,~~
2 ^{F12}~~wherein said personal identification data comprises a PIN~~
3 ~~number.~~ ²

1 ~~96. An analysis control system according to claim 94,~~

2 wherein at least one of either said caller customer number data
3 or said personal identification data element is provided on-line
4 for said callers and for initially storing said caller customer
5 number data or said personal identification data in said record
6 structure for subsequent use. ✓

1 97. An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means, and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data, said analysis
control system comprising:

8 an interface structure coupled to said communication
9 facility to interface said remote terminals for voice and
10 digital communication, and including means to provide caller
11 data signals representative of data relating to said
12 individual callers developed by said remote terminals and
13 including means to automatically receive called number
14 identification signals (DNIS) to identify a select format
15 from a plurality of formats;

16 voice generator structure coupled through said
17 interface structure for actuating said remote terminals as
18 to provide voice operating instructions to said individual
19 callers;

20 record structure, including memory and control means,

21 connected to receive said caller data signals from said
22 interface structure for accessing a file and storing digital
23 caller data relating to said individual callers provided
24 from said digital input means through said interface
25 structure; and

26 qualification structure for testing caller data signals
27 provided by at least one of said individual callers to
28 specify a consumable participation key and further during a
29 predetermined time for restricting the extent of access to
30 at least a portion of said system by said one of said
31 individual callers on the basis of entitlement.

1 ~~67~~ 68. An analysis control system according to claim 97,
2 wherein said caller data signals compare a plurality of data
3 elements for identifying a caller or a caller transaction or
both

1 ~~67~~ 69. An analysis control system according to claim 98,
2 wherein said consumable participation key is comprised of at
3 least two forms of distinct identification.

1 ~~68~~ 100. A process for controlling operations of the
2 interface with a telephonic communication system including remote
3 terminals for individual callers, wherein each of said remote
4 terminals may comprise a conventional telephone instrument
5 including voice communication means and digital input means in

6 the form of an array of alphabetic numeric buttons for providing
7 data and wherein said telephonic communication system has a
H 8 capability to automatically provide~~s~~ call data signals,
9 indicative of calling number identification data or called number
10 identification data (DNIS) or both, said process including the
11 steps of:

12 providing products carrying concealed participation
13 numbers specifying limits on use to entitle individual
14 callers to access said operations of the interface with said
15 telephonic communication system;

16 receiving said call data signals indicative of called
17 number identification data including a called number (DNIS)
18 dialed by a respective one of said individual callers to
19 select a specific operating format from a plurality of
20 operating formats of said operations of the interface;

21 coupling said remote terminals to said interface for
22 providing voice signals to said individual callers and
23 generating said voice signals for actuating said remote
24 terminals as to provide vocal operating instructions to
25 specific ones of said individual callers;

26 receiving digital identification data from said
27 individual callers responsive to said voice signals
28 including said participation numbers for said individual
29 callers and answer data developed by said remote terminals
30 under control of said individual callers;

31 qualifying said individual callers by testing to

32 determine if said individual callers are entitled to access
33 said operations of the interface based on said limits on use
34 specified by said participation numbers for said individual
35 callers and accordingly approving qualified individual
36 callers;

37 conditionally accessing a memory with said
38 participation numbers and storing data relating to calls
39 from said individual callers;

40 processing at least certain of said answer data
41 responsive to approving said qualified individual callers;
42 and

43 providing on-going accounting data to said individual
44 callers at intervals during calls from said individual
45 callers. ⁶⁹

DA
CONFIDENTIAL
2 ⁶⁸ ~~101~~. A process according to claim ~~100~~, further including
the step of:

3 updating said limits on use on-line. ⁶⁸

Sub
FB
1 ~~102~~. A process according to claim ~~100~~, wherein said
2 qualifying step limits access by said individual callers to a
3 predetermined interval. ⁶⁸

1 ⁷¹ ~~103~~. A process according to claim ~~100~~, wherein said
2 processing step further includes:
3 processing at least certain of said answer data

4 provided to questions with respect to a poll. 4

Sub F14
1 ~~104~~. A process according to claim 103, wherein said
2 select format is an automated promotional format associated with
3 said select format. 4

73
1 ~~105~~. A process according to claim ~~104~~⁷², wherein said
2 participation numbers are provided in the packaging of said
3 products. 4

74
1 ~~106~~. A process according to claim ~~105~~⁷³, wherein said
2 participation numbers are associated with an automated promotion
3 of said products. 4

75
1 ~~107~~. A process according to claim ~~106~~⁷⁴, wherein said
2 participation numbers are concealed within said products. 4

Sub F15
1 ~~108~~. A process according to claim 100, further comprising
2 the step of:

3 allocating calls from said individual callers to window
4 callers. 4

1 ~~109~~. A process for controlling operations of the
2 interface with a telephonic communication system according to
3 claim 100, further comprising the step of:

4 receiving said call data signals indicative of calling

5 number identification data with respect to all or nearly all
6 of said individual callers.

1 ~~110. A process according to claim 109, wherein at least a~~
2 ~~part of said calling number identification data is utilized in~~
3 ~~said processing step.~~

1 ~~111. A process for controlling operations of an interface~~
2 ~~with a telephonic communication system including remote terminals~~
3 ~~for individual callers, wherein each of said remote terminals may~~
4 ~~comprise a conventional telephone instrument including voice~~
5 ~~communication means and digital input means in the form of an~~
6 ~~array of alphabetic numeric buttons for providing data and~~
7 ~~wherein said telephonic communication system has a capability to~~
8 ~~automatically provide call data signals indicative of calling~~
9 ~~number identification data or called number identification data~~
10 ~~(DNIS) or both, said process including the steps of:~~

11 providing products carrying concealed participation
12 numbers specifying limits on use to entitle individual
13 callers to access said operations of the interface with said
14 telephonic communication system;

15 receiving said call data signals indicative of called
16 number identification data including a called number (DNIS)
17 dialed by individual callers to select a specific operating
18 format from a plurality of operating formats of said
19 operations of the interface;

20 coupling remote terminals to said interface for
21 providing voice signals to said individual callers and
22 generating said voice signals for actuating said remote
23 terminals as to provide vocal operating instructions to
24 specific ones of said individual callers;

25 receiving digital identification data from said
26 individual callers responsive to said voice signals
27 including said participation numbers and answer data
28 provided from said remote terminals under control of said
29 individual callers;

30 qualifying said individual callers by testing to
31 determine if said individual callers are entitled to access
32 said operations of the interface based on said limits on use
33 specified by said participation numbers and accordingly
34 approving qualified individual callers;

35 conditionally aborting interaction during said
36 operations of the interface with an individual caller at a
37 remote terminal and coupling said remote terminal to an
38 interface terminal under predetermined conditions for direct
39 personal communication;

40 accessing a memory with said participation numbers and
41 storing data relating to calls from said individual callers;
42 and

43 processing at least certain of said answer data
44 responsive to approving said qualified callers.

80 79
1 ~~112~~. A process according to claim ~~111~~, further comprising
2 the step of:

3 providing on-going accounting data to said individual
4 callers at intervals during calls from said individual
5 callers. ~~67~~

81 79
1 ~~113~~. A process according to claim ~~111~~, further including
2 the step of:

3 updating said limits on use on-line. ~~4~~

Sub F17
1 ~~114~~. A process according to claim 111, wherein said step
2 of receiving includes receiving said called number identification
3 data to identify one form of an automated promotional format
4 associated with said product as said specific operating format ~~5~~

83 79
1 ~~115~~. A process according to claim ~~111~~, wherein said step
2 of qualifying based upon said limits on use takes place on-
3 line. ~~4~~

84 79
1 ~~116~~. A process according to claim ~~111~~, wherein said
2 processing step further includes:

3 processing at least certain of said answer data
4 provided to questions with respect to a poll. ~~5~~

85 79
1 ~~117~~. A process according to claim ~~111~~, wherein said
2 participation numbers are provided in the packaging of said

3 products. ⁸⁶ ~~118~~

1 ⁸⁵ ~~118~~. A process according to claim ~~117~~, wherein said
2 participation numbers are associated with an automated promotion
3 of said products. ~~119~~

~~Sub F18~~ ~~119. A process for controlling operations of the~~
~~interface with a telephone communication system, said process~~
~~including the steps of:~~

~~4 providing products carrying participation numbers~~
~~5 concealed within the packaging of said products, said~~
~~6 participation numbers specifying limits on use to entitle~~
~~7 individual callers to access said operations of the~~
~~8 interface with said telephone communication system;~~

~~9 coupling remote terminals to said interface for~~
~~10 providing voice signals to said individual callers and~~
~~11 generating said voice signals for actuating said remote~~
~~12 terminals as to provide vocal operating instructions to~~
~~13 specific ones of said individual callers;~~

~~14 receiving digital identification data from said~~
~~15 individual callers responsive to said voice signals~~
~~16 including said participation numbers for said individual~~
~~17 callers and answer data provided from said remote terminals~~
~~18 under control of said individual callers;~~

~~19 qualifying said individual callers by testing to~~
~~20 determine if said individual callers are entitled to access~~

21 said operations of the interface based on said limits on use
22 specified by said participation numbers for said individual
23 callers and accordingly approving qualified individual
24 callers;

25 accessing a memory with said participation numbers for
26 said individual callers and storing data relating to calls
27 from said individual callers;

28 processing at least certain of said answer data
29 responsive to approving said qualified callers;

30 receiving calling number identification signals from
31 said communication facility for said individual callers and
32 utilizing at least part of said calling number
33 identification signals in said processing step.

88
1 ~~120~~. A process according to claim ~~119~~⁸⁷, further including
2 the step of:

3 updating said limits on use on-line

89
1 ~~121~~. A process according to claim ~~119~~⁸⁷, wherein said
2 process is for automating a promotion.

1 ~~122~~. A process according to claim 119, wherein said step
2 of qualifying based upon said limits on use takes place on-
3 line

91 A process
1 ~~123~~. An analysis control system according to claim ~~119~~⁸⁷


2 wherein said processing step further includes:

3 processing at least certain of said answer data

4 provided to questions with respect to a poll. *hm*

1H 92 A process
 124. ~~An analysis control system~~ according to claim 119, 87

2 wherein said participation numbers are associated with an

3 automated promotion of said products. 

1 Sub
2 F20
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18

--125. An analysis control system for use with a
communication facility including remote terminals for individual
callers, wherein each of said remote terminals may comprise a
conventional telephone instrument including voice communication
means and digital input means in the form of an array of
alphabetic numeric buttons for providing data and wherein said
communication facility has a capability to provide call data
signals indicative of calling number identification data and
called number identification data for at least certain of said
individual callers, said analysis control system comprising:
interface structure coupled to said communication
facility to interface each of said remote terminals for
voice and digital communication, and including means to
provide signals representative of data developed by said
remote terminals and for receiving said calling number
identification data and said called number identification
data (DNIS) to identify one from a plurality of called
numbers;

73

19 voice generator structure coupled through said
20 interface structure for actuating said remote terminals as
21 to provide vocal operating instructions to said individual
22 callers;

23 record structure, including memory and control means,
24 connected to said interface structure for accessing a file
25 and storing data relating to certain select ones of said
26 individual callers in accordance with said calling number
27 identification data;

28 qualification structure controlled by said record
29 structure for controlling access to said system by said
30 individual callers; and

31 means for processing at least certain of said data
32 developed by said terminals relating to certain select ones
33 of said individual callers.--

1 --126. An analysis control system according to claim 125,
2 further comprising:

3 call allocation routing capability to window individual
4 callers.--

1 --127. An analysis control system according to claim 126,
2 wherein said one called number corresponds to a select one of a
3 plurality of formats.--

1 --128. An analysis control system for use with a

2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means, and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data, said analysis
7 control system comprising:

8 an interface structure coupled to said communication
9 facility to interface said remote terminals for voice and
10 digital communication, and including means to receive answer
11 data signals provided by said individual callers from said
12 remote terminals wherein said communication facility
13 automatically provides called number identification data
14 signals indicating a called number (DNIS) dialed by an
15 individual caller and said called number (DNIS) is one of a
16 plurality of called numbers;

17 voice generator structure coupled through said
18 interface structure for actuating said remote terminals as
19 to provide vocal operating instructions to said individual
20 callers;

21 record structure including memory and control means for
22 storing answer data signals and for receiving identification
23 data signals for specific individual callers, said record
24 structure further including means for receiving additional
25 identification data signals on-line for said specific
26 individual callers and for storing said additional
27 identification data signals in said record structure for

28 subsequent identification of said callers; and
29 means for processing at least certain of said answer
30 data signals relating to select ones of said callers.--

1 ⁹⁷
~~129~~. An analysis control system according to claim ⁹⁶~~128~~,
2 wherein calling number identification signals automatically
3 provided by said communication facility are received and
4 processed by said system.~

5 Sub
6 F21
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000
1001
1002
1003
1004
1005
1006
1007
1008
1009
1010
1011
1012
1013
1014
1015
1016
1017
1018
1019
1020
1021
1022
1023
1024
1025
1026
1027
1028
1029
1030
1031
1032
1033
1034
1035
1036
1037
1038
1039
1040
1041
1042
1043
1044
1045
1046
1047
1048
1049
1050
1051
1052
1053
1054
1055
1056
1057
1058
1059
1060
1061
1062
1063
1064
1065
1066
1067
1068
1069
1070
1071
1072
1073
1074
1075
1076
1077
1078
1079
1080
1081
1082
1083
1084
1085
1086
1087
1088
1089
1090
1091
1092
1093
1094
1095
1096
1097
1098
1099
1100
1101
1102
1103
1104
1105
1106
1107
1108
1109
1110
1111
1112
1113
1114
1115
1116
1117
1118
1119
1120
1121
1122
1123
1124
1125
1126
1127
1128
1129
1130
1131
1132
1133
1134
1135
1136
1137
1138
1139
1140
1141
1142
1143
1144
1145
1146
1147
1148
1149
1150
1151
1152
1153
1154
1155
1156
1157
1158
1159
1160
1161
1162
1163
1164
1165
1166
1167
1168
1169
1170
1171
1172
1173
1174
1175
1176
1177
1178
1179
1180
1181
1182
1183
1184
1185
1186
1187
1188
1189
1190
1191
1192
1193
1194
1195
1196
1197
1198
1199
1200
1201
1202
1203
1204
1205
1206
1207
1208
1209
1210
1211
1212
1213
1214
1215
1216
1217
1218
1219
1220
1221
1222
1223
1224
1225
1226
1227
1228
1229
1230
1231
1232
1233
1234
1235
1236
1237
1238
1239
1240
1241
1242
1243
1244
1245
1246
1247
1248
1249
1250
1251
1252
1253
1254
1255
1256
1257
1258
1259
1260
1261
1262
1263
1264
1265
1266
1267
1268
1269
1270
1271
1272
1273
1274
1275
1276
1277
1278
1279
1280
1281
1282
1283
1284
1285
1286
1287
1288
1289
1290
1291
1292
1293
1294
1295
1296
1297
1298
1299
1300
1301
1302
1303
1304
1305
1306
1307
1308
1309
1310
1311
1312
1313
1314
1315
1316
1317
1318
1319
1320
1321
1322
1323
1324
1325
1326
1327
1328
1329
1330
1331
1332
1333
1334
1335
1336
1337
1338
1339
1340
1341
1342
1343
1344
1345
1346
1347
1348
1349
1350
1351
1352
1353
1354
1355
1356
1357
1358
1359
1360
1361
1362
1363
1364
1365
1366
1367
1368
1369
1370
1371
1372
1373
1374
1375
1376
1377
1378
1379
1380
1381
1382
1383
1384
1385
1386
1387
1388
1389
1390
1391
1392
1393
1394
1395
1396
1397
1398
1399
1400
1401
1402
1403
1404
1405
1406
1407
1408
1409
1410
1411
1412
1413
1414
1415
1416
1417
1418
1419
1420
1421
1422
1423
1424
1425
1426
1427
1428
1429
1430
1431
1432
1433
1434
1435
1436
1437
1438
1439
1440
1441
1442
1443
1444
1445
1446
1447
1448
1449
1450
1451
1452
1453
1454
1455
1456
1457
1458
1459
1460
1461
1462
1463
1464
1465
1466
1467
1468
1469
1470
1471
1472
1473
1474
1475
1476
1477
1478
1479
1480
1481
1482
1483
1484
1485
1486
1487
1488
1489
1490
1491
1492
1493
1494
1495
1496
1497
1498
1499
1500
1501
1502
1503
1504
1505
1506
1507
1508
1509
1510
1511
1512
1513
1514
1515
1516
1517
1518
1519
1520
1521
1522
1523
1524
1525
1526
1527
1528
1529
1530
1531
1532
1533
1534
1535
1536
1537
1538
1539
1540
1541
1542
1543
1544
1545
1546
1547
1548
1549
1550
1551
1552
1553
1554
1555
1556
1557
1558
1559
1560
1561
1562
1563
1564
1565
1566
1567
1568
1569
1570
1571
1572
1573
1574
1575
1576
1577
1578
1579
1580
1581
1582
1583
1584
1585
1586
1587
1588
1589
1590
1591
1592
1593
1594
1595
1596
1597
1598
1599
1600
1601
1602
1603
1604
1605
1606
1607
1608
1609
1610
1611
1612
1613
1614
1615
1616
1617
1618
1619
1620
1621
1622
1623
1624
1625
1626
1627
1628
1629
1630
1631
1632
1633
1634
1635
1636
1637
1638
1639
1640
1641
1642
1643
1644
1645
1646
1647
1648
1649
1650
1651
1652
1653
1654
1655
1656
1657
1658
1659
1660
1661
1662
1663
1664
1665
1666
1667
1668
1669
1670
1671
1672
1673
1674
1675
1676
1677
1678
1679
1680
1681
1682
1683
1684
1685
1686
1687
1688
1689
1690
1691
1692
1693
1694
1695
1696
1697
1698
1699
1700
1701
1702
1703
1704
1705
1706
1707
1708
1709
1710
1711
1712
1713
1714
1715
1716
1717
1718
1719
1720
1721
1722
1723
1724
1725
1726
1727
1728
1729
1730
1731
1732
1733
1734
1735
1736
1737
1738
1739
1740
1741
1742
1743
1744
1745
1746
1747
1748
1749
1750
1751
1752
1753
1754
1755
1756
1757
1758
1759
1760
1761
1762
1763
1764
1765
1766
1767
1768
1769
1770
1771
1772
1773
1774
1775
1776
1777
1778
1779
1780
1781
1782
1783
1784
1785
1786
1787
1788
1789
1790
1791
1792
1793
1794
1795
1796
1797
1798
1799
1800
1801
1802
1803
1804
1805
1806
1807
1808
1809
1810
1811
1812
1813
1814
1815
1816
1817
1818
1819
1820
1821
1822
1823
1824
1825
1826
1827
1828
1829
1830
1831
1832
1833
1834
1835
1836
1837
1838
1839
1840
1841
1842
1843
1844
1845
1846
1847
1848
1849
1850
1851
1852
1853
1854
1855
1856
1857
1858
1859
1860
1861
1862
1863
1864
1865
1866
1867
1868
1869
1870
1871
1872
1873
1874
1875
1876
1877
1878
1879
1880
1881
1882
1883
1884
1885
1886
1887
1888
1889
1890
1891
1892
1893
1894
1895
1896
1897
1898
1899
1900
1901
1902
1903
1904
1905
1906
1907
1908
1909
1910
1911
1912
1913
1914
1915
1916
1917
1918
1919
1920
1921
1922
1923
1924
1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941
1942
1943
1944
1945
1946
1947
1948
1949
1950
1951
1952
1953
1954
1955
1956
1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
2036
2037
2038
2039
2040
2041
2042
2043
2044
2045
2046
2047
2048
2049
2050
2051
2052
2053
2054
2055
2056
2057
2058
2059
2060
2061
2062
2063
2064
2065
2066
2067
2068
2069
2070
2071
2072
2073
2074
2075
2076
2077
2078
2079
2080
2081
2082
2083
2084
2085
2086
2087
2088
2089
2090
2091
2092
2093
2094
2095
2096
2097
2098
2099
2100
2101
2102
2103
2104
2105
2106
2107
2108
2109
2110
2111
2112
2113
2114
2115
2116
2117
2118
2119
2120
2121
2122
2123
2124
2125
2126
2127
2128
2129
2130
2131
2132
2133
2134
2135
2136
2137
2138
2139
2140
2141
2142
2143
2144
2145
2146
2147
2148
2149
2150
2151
2152
2153
2154
2155
2156
2157
2158
2159
2160
2161
2162
2163
2164
2165
2166
2167
2168
2169
2170
2171
2172
2173
2174
2175
2176
2177
2178
2179
2180
2181
2182
2183
2184
2185
2186
2187
2188
2189
2190
2191
2192
2193
2194
2195
2196
2197
2198
2199
2200
2201
2202
2203
2204
2205
2206
2207
2208
2209
2210
2211
2212
2213
2214
2215
2216
2217

4 ~~caller social security number data.~~

1 --134. An analysis control system, according to claim 133,
2 wherein said additional identification signals are indicative of
3 caller PIN number data.--

1 --135. An analysis control system according to claim 133,
2 further comprising:
3 call allocation routing capability to window individual
4 callers.--

1 --136. A system according to claim 128, further comprising:
2 means for providing computer generated number data
3 indicative of caller transaction sequence data and storing
4 said computer generated number data in said record
5 structure.--

1 --137. A system according to claim 136, wherein said
2 computer generated number data are provided in a chronological
3 order to said individual callers during a data acquisition
4 phase.--

1 --138. A system according to claim 128, wherein said
2 plurality of called numbers identify a plurality of distinct
3 operating formats.--

Sub \$22
1 ~~139.~~ A system according to claim 138, further comprising
2 qualification structure to test callers on the basis of
3 limits specified on use.--

1 --140. A system according to claim 138, wherein a select
2 one of said plurality of formats is an automated ordering
3 format.--

1 --141. An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data, said analysis
7 control system comprising:

DA CONT
8 interface structure coupled to said communication
9 facility to interface said terminals for voice and digital
10 communication and including means to provide signals
11 representative of data developed by said terminals;

12 voice generator structure selectively coupled through
13 said interface structure to said terminals for providing
14 vocal operating instructions to individual ones of said
15 callers;

16 record memory connected to said interface structure for
17 accessing a file and storing data relating to certain select
18 ones of said individual callers including voice data and

19 digital data developed by said terminals;
20 structure selectively coupled to said interface
21 structure and said record memory for providing computer
22 generated numbers to said individual callers and storing
23 said computer generated numbers in said record memory; and
24 analysis structure connected to said record memory for
25 processing at least certain of said data relating to certain
26 select ones of said individual callers to isolate a subset
27 of said callers; and
28 means to control processing formats of said analysis
29 structure in accordance with signals automatically provided
30 by said communication facility indicative of one of a
31 plurality of called numbers (DNIS).--

1 ~~Sub G26~~ 142. An analysis control system according to claim 141,
2 wherein said signals representative of data include credit card
3 number data.

1 143. An analysis control system according to 142, wherein
2 said credit card number data is verified.

1 --144. An analysis control system according to claim 141,
2 wherein one of said plurality of called numbers is a pay to dial
3 number.--

1 --145. A control system according to claim 141, wherein

2 said one of a plurality of ~~called numbers~~ (DNIS) identifies a
3 select format from a plurality of ~~operating~~ formats.--

Sub
F24
1 --146. A control system according to claim 145, wherein one
form of said select format polls certain callers for personal
3 information data.--

1 --147. A control system according to claim 146, wherein
2 said personal information data includes physical characteristic
3 data.--

1 --148. A control system according to claim 147, wherein
2 said physical characteristic data includes age data.--

DI
cont
1 --149. An analysis control system for use with a
communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data and wherein said
7 communication facility has a capability to provide calling number
8 identification data, said analysis control system comprising:

9 multiple automatic call distributors at geographically
10 distinct locations for receiving calls from individual
11 callers at said remote terminals;
12 interface structure coupled to said communication

13 facility to interface said remote terminals for voice and
14 digital communication and including means to receive caller
15 data signals representative of data relating to said
16 individual callers, including caller personal identification
17 data and said calling number identification data provided
18 automatically by said communication facility;

19 voice generator structure coupled through said
20 interface structure for actuating said remote terminals as
21 to provide vocal operating instructions to said individual
22 callers and to prompt said individual callers to enter data;

23 record testing structure connected to receive and test
24 said caller data signals including said calling number
25 identification data and said caller personal identification
26 data against previously stored calling number identification
27 and caller personal identification data; and

28 analysis structure for receiving and processing said
29 caller data signals under control of said record testing
30 structure.--

1 --150. An analysis control system according to claim 149,
2 further comprising:

3 call allocation routing capability to window individual
4 callers.--

1 --151. A process for controlling operations of an interface
2 with a telephonic communication system including remote terminals

3 for individual callers, wherein each of said remote terminals may
4 comprise a conventional telephone instrument including voice
5 communication means and digital input means in the form of an
6 array of alphabetic numeric buttons for providing data and
7 wherein said telephonic communication system has a capability to
8 automatically provide call data signals indicative of calling
9 number identification data or called number identification data
10 (DNIS) or both, said process including the steps of:

11 providing products carrying participation numbers
12 concealed within said products specifying limits on use
13 relating to a dollar amount to entitle individual callers to
14 access said interface with said telephonic communication
15 system;

16 receiving said call data signals indicative of called
17 number identification data including a called number (DNIS)
18 dialed by individual callers to select a specific operating
19 format from a plurality of operating formats of said
20 interface wherein at least one of said plurality of
21 operating formats includes an automated promotional format
22 for promoting said products;

23 coupling remote terminals to said interface for
24 providing voice signals to said individual callers and
25 generating said voice signals for actuating said remote
26 terminals as to provide vocal operating instructions to
27 specific ones of said individual callers;

28 receiving digital identification data from said

29 individual callers responsive to said voice signals
30 including said participation numbers and answer data
31 provided from said remote terminals under control of said
32 individual callers;

33 qualifying said individual callers by testing to
34 determine if said individual callers are entitled to access
35 said interface based on said limits on use specified by said
36 participation numbers and accordingly approving qualified
37 individual callers;

38 accessing a memory with said participation numbers and
39 storing data relating to calls from said individual callers;

40 processing at least certain of said answer data
41 responsive to approving said qualified callers; and

42 providing on-going accounting data to said individual
43 callers, said on-going accounting data for at least one of
44 said intervals is determined at least in part by said answer
45 data provided by an individual caller during a call and
46 during at least one of said intervals includes real time
47 data provided to an individual caller on-line.--

1 --152. A process according to claim 151, further including
2 a step of aborting interaction between said telephonic
3 communication system and an individual caller at a remote
4 terminal during the operations of the interface and coupling said
5 remote terminal to an interface terminal for direct personal
6 communication.--

1 --153. A process according to claim 152, further comprising
2 the step of:

3 providing prompts to said interface terminal during
4 direct personal communication with data relating to calls
5 from said individual callers.

1 ¹²¹
~~154~~. A process in accordance with claim ¹¹⁹~~152~~, wherein said
2 step of aborting interaction is controlled by the success of said
3 individual caller in accessing said memory.~

1 ~~155. A process according to claim 151, further including~~
2 ~~a step of limiting access by a caller to said memory under~~
3 ~~control of a clock.~~~

1 ~~Sub F25~~ ~~156. A process according to claim 151, wherein said~~
2 ~~qualifying step limits access by said individual callers to a~~
3 ~~predetermined interval.--~~

1 ~~Sub G28~~ ~~157. A process according to claim 151, wherein said~~
2 ~~receiving step further includes:~~
3 receiving calling number identification data.~

1 ~158. A process according to claim 157, wherein said
2 processing step further includes processing of at least certain
3 of said calling number identification data.~

1 159. An analysis control system for use with a
2 communication facility including remote terminals for individual
3 callers, wherein each of said remote terminals may comprise a
4 conventional telephone instrument including voice communication
5 means, and digital input means in the form of an array of
6 alphabetic numeric buttons for providing data, said analysis
7 control system comprising:

8 an interface structure coupled to said communication
9 facility to interface said remote terminals for voice and
10 digital communication, and including means to provide caller
11 data signals representative of data relating to said
12 individual callers developed by said remote terminals;

13 voice generator structure coupled through said
14 interface structure for actuating said remote terminals as
15 to provide vocal operating instructions to said individual
16 callers;

17 record structure, including memory and control means,
18 connected to receive said caller data signals from said
19 interface structure for accessing a file relating to said
20 individual callers including said individual callers' credit
21 card numbers provided from said digital input means through
22 said interface structure;

23 credit verification structure to verify on-line said
24 credit card numbers wherein said structure at least verifies
25 said individual callers credit card number has not been
26 cancelled; and

27 qualification structure controlled by said record
28 structure for testing caller data signals provided by said
29 individual callers to specify consumable participation keys
30 for restricting the extent of access to at least a part of
31 said system by said individual callers on the basis of
32 entitlement.--

1 --160. An analysis control system according to claim 159,
2 wherein callers are prompted to provide certain of said caller
3 data signals to identify said individual callers.--

1 ¹²⁷
~~161~~. An analysis control system according to claim ¹²⁵~~159~~,
2 wherein said caller data signals are indicative of initials of
3 name or names. *h*

1 ¹²⁸
~~162~~. An analysis control system according to claim ¹²⁵~~159~~,
2 wherein said caller data signals are indicative of caller social
3 security number data. *h*

1 ¹²⁹
~~163~~. An analysis control system according to claim ¹²⁵~~159~~,
2 wherein said caller data signals are indicative of caller PIN
3 data. *h*

1 ~~164~~. An analysis control system according to claim 159,
2 wherein said caller data signals are indicative of caller
3 telephone number data. *h*

131
1 ~~165~~. An analysis control system according to claim ~~164~~,¹³⁰
2 wherein said caller data signals further are indicative of caller
3 social security number data.~

Sub
G30
1 ~~166~~. An analysis control system according to claim 159,
2 wherein said qualification structure restricts said extent of
3 access by each of said individual callers to a single use
4 entitlement.~

133
1 ~~167~~. An analysis control system according to claim ~~159~~,¹²⁵
2 wherein said qualification structure restricts said extent of
3 access to a limited number of uses.~

134
1 ~~168~~. An analysis control system according to claim ~~159~~,¹²⁵
2 wherein said interface structure includes means to ^{receive} ~~identify~~ one
3 called number from a plurality of called numbers (DNIS).~

135
1 ~~169~~. An analysis control system according to claim ~~168~~,¹³⁴
2 ^{called number identifies} wherein said ~~interface structure includes means to identify~~ one
3 of a plurality of formats.~

136
1 ~~170~~. An analysis control system according to claim ~~159~~,¹²⁵
2 further comprising:
3 structure to receive calling number identification
4 data.~

137
1 ~~171~~. An analysis control system according to claim ~~170~~, 136
2 wherein said record structure stores said calling number
3 identification data at least in part. ✓

Sub
F27
1 --172. An analysis control system according to claim 170,
2 further comprising:
3 processing structure to process at least certain of
4 said calling identification data.--

1 --173. An analysis control system according to claim 159,
2 wherein certain of said caller provided caller data signals are
3 stored in said record structure.--

140
1 ~~174~~. An analysis control system according to claim ~~159~~, 125
2 wherein said qualification structure restricts said extent of
3 access by each of said individual callers to a single use
4 entitlement. ✓

REMARKS

This amendment is in response to the office action dated December 27, 1995. The Examiner's acknowledgement of patentable subject matter as indicated in the office action is appreciated.

Paragraph 1 of the office action indicates that the drawings are objectionable. In Figure 3 of the drawings, duplicate use of reference numeral "92" for designating the block captioned "EXIT"

"processing data" is resolved. Claim 43 is amended to recite "certain select ones of said individual callers," thereby eliminating the requirement for antecedent basis.

Paragraph 7 of the office action objects to claim 36 for inconsistent use of terminology. Any occurrence of the terminology "telephone" is replaced with --telephonic--. The same paragraph also rejects claim 45 for being objectionably misdescriptive. Claim 45 is amended to recite --calls from-- callers.

Paragraph 9 of the office action rejects claim 36 under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 38 of U.S. Patent No. 4,845,739. Claim 36 is cancelled. As the obviousness-type double patenting rejection was only directed to claim 36, which is cancelled, a terminal disclaimer is not submitted at this time. In the event the Examiner requires one for the other claims, it is requested that he apprise the undersigned either by telephone or in a subsequent communication.

In paragraph 10 of the office action, the Examiner requested Applicant to submit a copy of the Forms PTO-1449 that were submitted and considered in Applicant's parent application Serial No. 08/139,307. Copies of those forms are concurrently provided with this amendment.

By this amendment, claims 50-174 are provided for the Examiner's consideration. The majority of the new claims are dependent claims transferred from the immediately preceding

has been deleted and replaced with reference numeral --92A--. A copy of the drawing Figure 3, indicating this change is RED is attached for the Examiner's convenience. The specification is also amended to reflect the same change.

Paragraph 2 of the office action objects to the disclosure for informalities. By the amendments to the specification requested above, the introductory cross-reference to related applications is updated to reflect the abandoned status of the ultimate ancestor application. The brief description of the drawings has been amended to cite and describe Figure 9 of the drawings. The misspelling at page 7, line 32, of the word "known" has been corrected. The first sentence of page 25 of the specification has been clarified. The closing mate to the opening parenthesis at page 41, line 34, has been inserted.

Paragraphs 4 and 5 of the office action object to the specification and claim 40, under 35 U.S.C. 112, first paragraph, on the basis that the specification does not support the last two lines of claim 40. Those lines are now amended to recite --said individual callers at-- calling remote terminals.

Paragraph 6 of the office action rejects claims 32 and 41-49 under 35 U.S.C. 112, second paragraph. Claim 32 is amended to recite --operations of-- said interface, as have claims 29 and 35. These amendments are consistent with terminology suggested by the Examiner in Applicant's parent applications. Claim 41 is amended to recite isolating a subset --of individual callers--. Also, at lines 19-23 of that claim, the confusion relating to the

parent application (U.S. Serial No. 08/139,307), which were not entered by the Examiner. To facilitate introduction of those dependent claims, independent claims 50, 56, 97, 100, 111, 119, 125, 128, 141, 149, 151, and 159 generally similar in scope to claims 29, 33, 37, 53, 69, 70, 72, 77, 204, and 218, in the immediately preceding parent application, however, with variations, are introduced herein. Also, claims 40 and 41 are concurrently cancelled in the immediately preceding application and are transferred into this application, identified by claim numbers 159 and 174.

Claims 159 and 174 (claims 40 and 41) were rejected under 35 U.S.C. § 103 as unpatentable over Barger et al., when considered with or without the article by Turbat. The following distinctions are urged in that regard.

A "consumable key" is a code provided by a caller, which is examined by the system to determine whether any further access to the system is to be allowed, without it being a function of time. A "consumable key" is not automatically refreshed. Thus, in Applicant's system, a caller may enter information only one time, or some pre-determined finite number of times. If the number of predetermined allowed calls is exceeded (that is, the key number is consumed), the call is terminated.

Applicant submits that the urged interpretation of "consumable key" is apparent by consideration of the proper meaning of the word "consumable." It refers to a number entered by a caller that allows a finite number of calls as identified by

the "consumable key," after which the caller is denied access to the system. By definition, "consumable" means "to do away with completely." The word "consumable," by its definition, clearly precludes that it cannot be automatically refreshed as a function of time. A "consumable key" test is not a rate of use criteria.

Applicant submits that an interpretation by the Examiner that Barger's "key" is "consumable" within the set period is not proper. In Barger, an entirely different function is described. The Barger system does not limit calls in the manner of the Applicant's system; rather it simply changes processing procedures if a caller places some number of calls without a purchase as a function of time. If a caller enters the Barger system several times over a short period of time without a purchase, he may be transferred to a live operator. If, on the other hand, he enters the Barger system the same number of times over the same period of time, but makes purchases, he remains able to listen to recordings (Barger, col. 11, line 42). Furthermore, in Barger, the number of calls is automatically refreshed when the set period expires. Thus, Barger disclosure, while controlling access, does not utilize a "consumable key" function, as does the Applicant.

As for Barger teaching credit verification, Applicant submits that Barger does not teach credit verification in conjunction with qualification. Barger's teaching of credit verification is simply limited to credit card billing purposes.

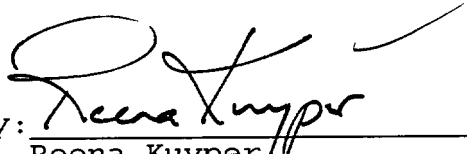
The above discussed interpretation of "consumable key" again

distinguishes the Canadian patent to De Bruyn. Once again, the word "consumable," by its definition, clearly precludes that it cannot be automatically refreshed as a function of time (for example, fixed time periods of automatic refreshment, i.e., once/day, once/week etc.). Both De Bruyn and Barger are distinct in that regard.

S U M M A R Y

Favorable consideration and allowance of claims 29-35 and 37-174 is respectfully requested.

Respectfully submitted,

By: 
Reena Kuyper
Registration No. 33,830

DARBY & DARBY P.C.
707 Wilshire Blvd., 32nd Floor
Los Angeles, California 90017

Tel: (213) 243-8000

Docket No. 9002-1B670USE
(prev. 6646-101NF)

6646\101nf\am1